

Title (en)  
Implantable multipolar detection/stimulation microprobe

Title (de)  
Implantierbare multipolare Mikrosonde zur Erfassung/Stimulation

Title (fr)  
Microsonde multipolaire de détection/stimulation implantable

Publication  
**EP 2719422 B1 20150218 (FR)**

Application  
**EP 13169168 A 20130524**

Priority  
FR 1259758 A 20121012

Abstract (en)  
[origin: EP2719422A1] The lead (50) has a set of microcables (40 1-40 5, 40 7), where each microcable comprises an electrically conducting core cable (11) that is connected to a pole of a multipolar generator of an active implantable medical device. A polymer insulation layer surrounds the core cable, where the polymer insulation layer has an exposed area (30). The set of microcables is coupled together in a twisted configuration within the lead, where the microcables together form a multipolar detection /stimulation distal active portion of the lead. The distal active portion is equal to 0.5mm.

IPC 8 full level  
**A61N 1/05** (2006.01)

CPC (source: EP US)  
**A61B 5/24** (2021.01 - US); **A61N 1/05** (2013.01 - US); **A61N 1/056** (2013.01 - EP US); **A61N 1/372** (2013.01 - US);  
**A61N 2001/0585** (2013.01 - EP US); **Y10T 29/49224** (2015.01 - EP US)

Cited by  
EP3591763A1; EP2959828A1; EP3058983A1; US11426575B2; EP3069755A1; WO2017158174A1; WO2017198472A1; US10099060B2;  
US10898722B2; US10912938B2; US9937340B2; US10183161B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2719422 A1 20140416; EP 2719422 B1 20150218**; CN 103721342 A 20140416; CN 103721342 B 20180508; US 10463848 B2 20191105;  
US 11771889 B2 20231003; US 2014107455 A1 20140417; US 2020061367 A1 20200227

DOCDB simple family (application)  
**EP 13169168 A 20130524**; CN 201310475838 A 20131012; US 201314052371 A 20131011; US 201916667222 A 20191029